

GILA RIVER BASIN

09485100 SAGUARO CORNERS WASH NEAR TUCSON, AZ

LOCATION.--Lat 32°10'11", long 110°44'15", SW¹/₄NW¹/₄ sec.32, T.14 S., R.16 E., Pima County, Hydrologic Unit 15050302, at Freeman Road, 0.9 mi south of Old Spanish Trail, and 4 mi southeast of Tucson city limits.

DRAINAGE AREA.--0.17 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1965	09-12-65	29	UR	1970	07-20-70	29	UR
1966	09-12-66	23	UR	1971	08-00-71	30	UR
1967	07-17-67	33	UR	1972	08-12-72	4.4	UR
1968	08-00-68	49	UR	1973	08-00-73	10	UR
1969	09-09-69	28	UR	1974	00-00-74	0	UR

Magnitude and probability of instantaneous peak flow based on period of record 1965-74

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25†	50†	100†
50%	20%	10%	4%	2%	1%
27.4	34.4	39.1	44.8	49.1	53.4
Weighted skew	(logs) =	0.21			
Mean	(logs) =	1.44			
Standard dev.	(logs) =	0.11			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
117	0.4	3,040	0.0	1.0	12.0	1.8	4.0

